

Name:	 UPES UNIVERSITY WITH A PURPOSE
Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2019

Course: Global Disaster Scenarion	Semester: VIII
Program: B.Tech.-Fire and Safety Engineering	Time 03 hrs.
Course Code: FSEG 451	Max. Marks: 100

Instructions: Read the question properly and give the most relevant answer

SECTION A

S. No.		Marks	CO
Q 1	Define the term Disaster with Example	4	CO2
Q 2	Recall the objectives of National disaster plan	4	CO1
Q 3	Summarize the importance of disaster response training	4	CO3
Q 4	Explain the procedure for finding the gaps in disaster Management	4	CO2
Q 5	Discuss the current trends in disaster preparedness	4	CO2

SECTION B

Q 6	Classify various natural disasters.	10	CO3
Q 7	Explain the role of disaster command center elaborately	10	CO2
Q 8	Discuss the importance of disaster Risk assessment and its procedure.	10	CO1 & CO3
Q 9	Explain the institutional framework of disaster preparedness and mitigation setup of India <div style="text-align: center;">(OR)</div> Summarize the causes for the Bhopal gas tragedy in detail	10	CO1 & CO3

SECTION-C

Q 10	a) List the elements that are required during disaster planning b) You organization is setting up a chemical process facility as a safety officer draft a disaster management plan with reference to the various hazards of chemicals. (consider the chemical is toxic and flammable)	5 + 15	CO4 & CO2
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SECTION A

S. No.		Marks	CO
Q 1	Define anthropogenic disaster with 2 examples.	4	CO2
Q 2	Summarize the causes for the Fukushima disaster	4	CO3
Q 3	List the legislative aspects of disaster preparedness.	4	CO1
Q 4	Explain the modern approach of disaster management	4	CO2
Q 5	Discuss the responsibilities of state authority during disaster	4	CO2

SECTION B

Q 6	Describe the effects and control measures of biological disaster	10	CO2
Q 7	Explain the role of NIDM and NDMA	10	CO3
Q 8	Discuss the procedure to carryout disaster risk assessment and its list its importance.	10	CO1 & CO3
Q 9	<p>Forest fires are one of the deadliest natural disasters which causes huge losses to the environment. As a disaster management expert detail, the causes, types and effects of forest fire.</p> <p style="text-align: center;">(OR)</p> <p>List out the various causes and consequences of flooding.</p>	10	CO2 & CO1

SECTION-C

Q 10	<p>a) Explain the concept behind the oil spill spread and list the effects of oil spill to the environment.</p> <p>b) Design a disaster management plan for the Uttarakhand flood disaster.</p>	10+10	CO4 & CO2
Q 11	a) Consider you are a disaster management preparedness expert, draft a		CO3

	<p>prerequisites of Preparedness plan for disaster prone area.</p> <p>b) List the standard operating procedures of Disaster management</p> <p style="text-align: center;">(OR)</p>	14+ 6	& CO4
	<p>a) Consider you are the Chairman of the NDMA, there was a huge natural disaster happened in your country and you are supposed to ask the help from international agencies. Under what circumstances you will ask for help from international agencies. List the international agencies you will ask for help and elaborate their main function in recovery and rehabilitation.</p> <p>b) Differentiate rehabilitation and reconstruction.</p>	16 +4	